

WASTEWATER TREATMENT PLANT OPERATOR I*Class Definition*

Under supervision, operates and maintains Wastewater Treatment Plant equipment and facilities in accordance with the requirements for an Operator I as defined by the State Water Resources Control Board for Class V treatment plant.

Distinguishing characteristics

Wastewater Treatment Plant Operator I is the entry level class in the Wastewater Treatment Plant Operator series, as defined by the State Water Resources Control Board. Incumbents are responsible for the operation of a modern Class V secondary wastewater treatment plant that includes an on-site electrical power generation facility. This class is distinguished from Wastewater Treatment Plant Operator II in that the latter is the journey level in which incumbents perform the more complex assignments. It is distinguished from Wastewater Treatment Plant Operator-in-Training in that the latter is the training level class.

Typical Tasks

(An incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Controls the treatment of wastewater and sludges through the operation of pumps, motors, and valves utilizing manual, automatic, and programmable systems.

Monitors and controls the performance of wastewater unit processes by a variety of methods including visual observation, physical measurement, sampling, testing, data collection/analysis, and mathematical, calculations.

Utilizes a local area computer network and distributed control system in the routine operating and monitoring of the treatment facility and the collection and maintenance of plant operational data.

Collects representative samples from various plant flows and unit processes for laboratory analysis.

Monitors and controls plant operation using related instrumentation and equipment.

Performs minor routine preventive maintenance, including lubrication of plant equipment, to maintain operating efficiency.

Maintains proper appearance and cleanliness of equipment and facilities.

May operate an on-site electrical power generation facility.

Monitors and operates high pressure hydraulic, pneumatic and power boiler systems.

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Operates other related systems such as a winery stillage waste disposal facility, secondary effluent disposal, and a water reclamation system.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of the occupational hazards and safety precautions related to the operation of mechanical/electrical equipment.

Knowledge of the operation and maintenance of mechanical/electrical equipment.

Knowledge of the procedures and safety requirements of working in confined spaces.

Knowledge of the characteristics and safety requirements of the use of various chemicals used in the wastewater treatment industry, e.g. chlorine, ferric/ferrous chloride, polymer, etc.

Knowledge of the various operational procedures and safety practices involved in the day-to-day operation of a wastewater treatment plant.

Ability to read meters and gauges correctly.

Ability to follow oral and written instructions and make brief reports on plant operations.

Ability to utilize a local area computer network and distributed control system in the routine operating and monitoring of the treatment facility and the collection and maintenance of plant operational data.

Ability to correctly use self-contained breathing apparatus.

Skill in the use of tools necessary to operate and maintain pumps and other related plant equipment.

Minimum Qualifications

Possession of a Wastewater Treatment Plant Operator Grade I certificate issued by the State Water Resources Control Board.

Necessary Special Requirement

Possession of a valid California Driver's License at time of appointment.

APPROVED: _____

Director of Personnel

DATE: _____

MR/MPA/jl/12/20/90

+529/SPEC7